TITLE PAGE

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TITLE OF INVENTION: Spray Applicator Belt Hook

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SPECIFICATION

Descriptive Title: Spray Applicator Belt Hook

Related Applications: (AnnexureA & B)Australian application number 475/1999

Brief Summary: The spray applicator belt hook is for use in conjunction with spray applicator bottles. These bottles are usually of 500ml or 1lt capacity; usually contain a chemical or liquid substance for use in cleaning or gardening whereby the belt hook allows the user to carry the spray bottle on their belt when not in use.

Description of Drawing: (Annexure C) Provided are three views of the Belt Hook showing all necessary aspects and depicted life-size 1:1. The model as illustrated is a left hand unit and while left and right handed models will be manufactured, it is assumed that a right hand model would constitute an obvious adaptation not needing protection by patent.

Detailed Description: The Belt Hook will be made of polypropylene through a process using an injection mould. The dimensions are as follows:Body length; 117mm, body width; 21mm, Rest width; 20mm, rest guard length; 30mm, rest angle to body; 25 degrees, material thickness; 3mm.

SUMMARY OF INVENTION

The Spray Applicator Belt Hook was initially designed to fill a need in the Cleaning industry where cleaning staff were losing time having to walk back to their trolley to fetch their spray bottle (applicator) or if taking it with them into the office to be cleaned, would be left with only one free hand to work with. Many spray bottles have been lost when put down and forgotten or left behind at the end of a shift only to be found by office staff returning to work on the following day. This problem also created the possibility of office staff coming into contact with chemicals they have no understanding of and which if used incorrectly could cause injury to the person misusing them. The development of the Belt Hook overcame these problems.

The Belt Hook is a double U shaped piece of polypropylene which slips over the belt of the operator allowing them to carry their spray bottle with them where ever they go eliminating wasted time walking back to the trolley and minimising the incidents of lost bottles and the possibility of injury to untrained persons.

Trials of the Belt Hook over the past year in the working environment have demonstrated a labour cost saving to the contractor of 6%, happier cleaning staff and no lost spray bottles.

The Belt Hook would not necessarily be restricted in application just to the Cleaning industry. I am certain that it would be a useful adjunct to any endeavour where a spray applicator is being used.

DESCRIPTION

The Spray Applicator Belt Hook is made in one piece of polypropylene through a process of injection moulding. It has a double U configuration set in opposing directions (see page 3/3).The body of the Hook is a modified belt clip with an added platform, called the Rest, set at 90 degrees to the clip. At the end of the Rest is a vertical projection set at 90 degrees to the Rest called the Rest Guard. The Rest and Rest Guard support a spray applicator bottle under the sprayer trigger mechanism while the belt clip supports the whole on the users belt. The angle of the Rest has been calculated to conform with the angle of the sprayer trigger mechanism which is a constant angle on most generic spray applicators.